FIG. 1

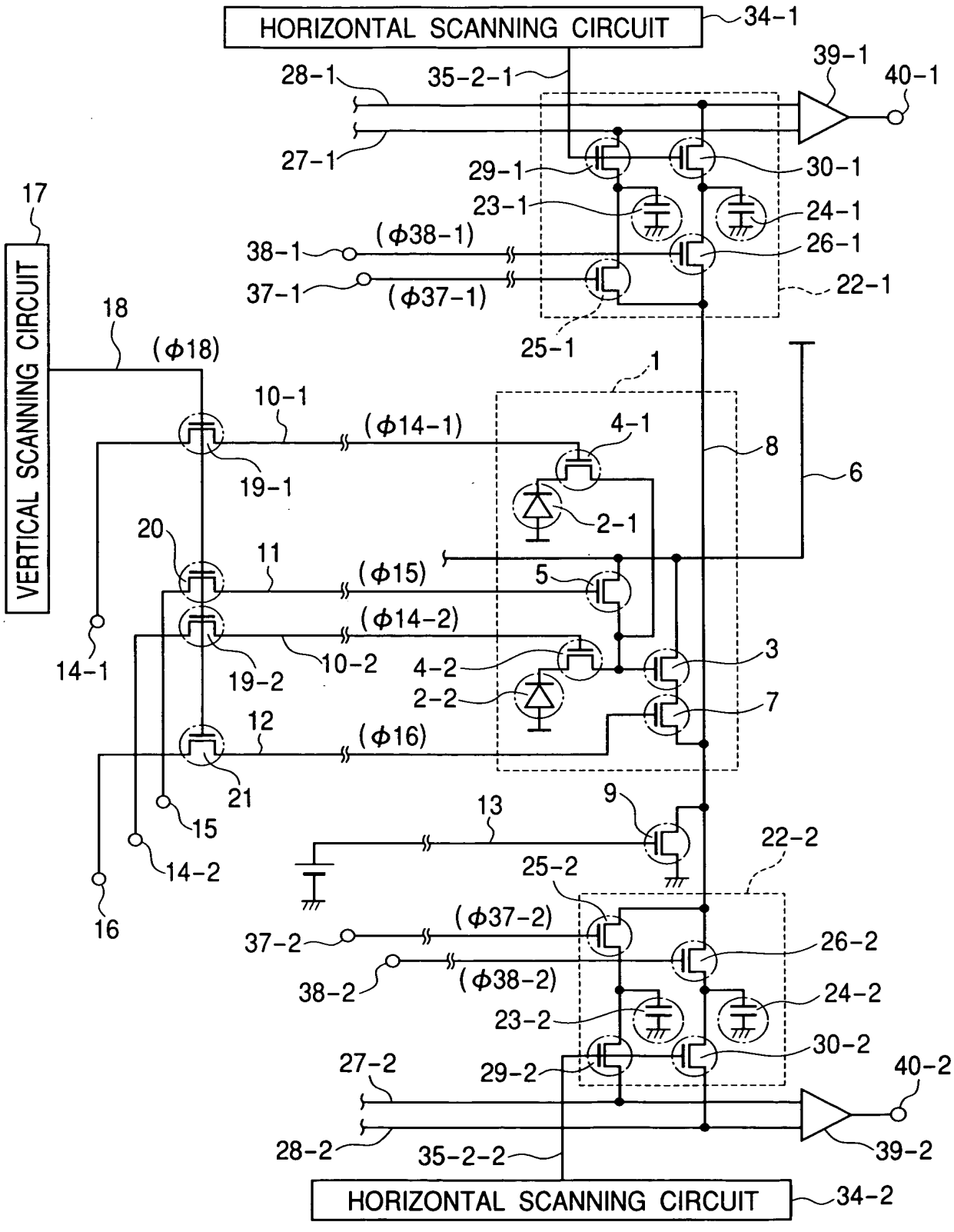

HORIZONTAL SCANNING CIRCUIT
34-1
39-1
40-1
28-1
35-2-1
27-1
29-1
30-1
23-1
24-1
26-1
22-1
38-1
(φ38-1)
37-1
(φ37-1)
25-1
17
VERTICAL SCANNING CIRCUIT
18
(φ18)
1
10-1
(φ14-1)
4-1
8
6
19-1
2-1
20
11
(φ15)
5
(φ14-2)
14-1
19-2
10-2
4-2
3
2-2
7
12
(φ16)
21
15
13
9
22-2
14-2
25-2
16
(φ37-2)
37-2
26-2
38-2
(φ38-2)
24-2
23-2
30-2
27-2
29-2
40-2
28-2
35-2-2
39-2
HORIZONTAL SCANNING CIRCUIT
34-2

FIG. 2

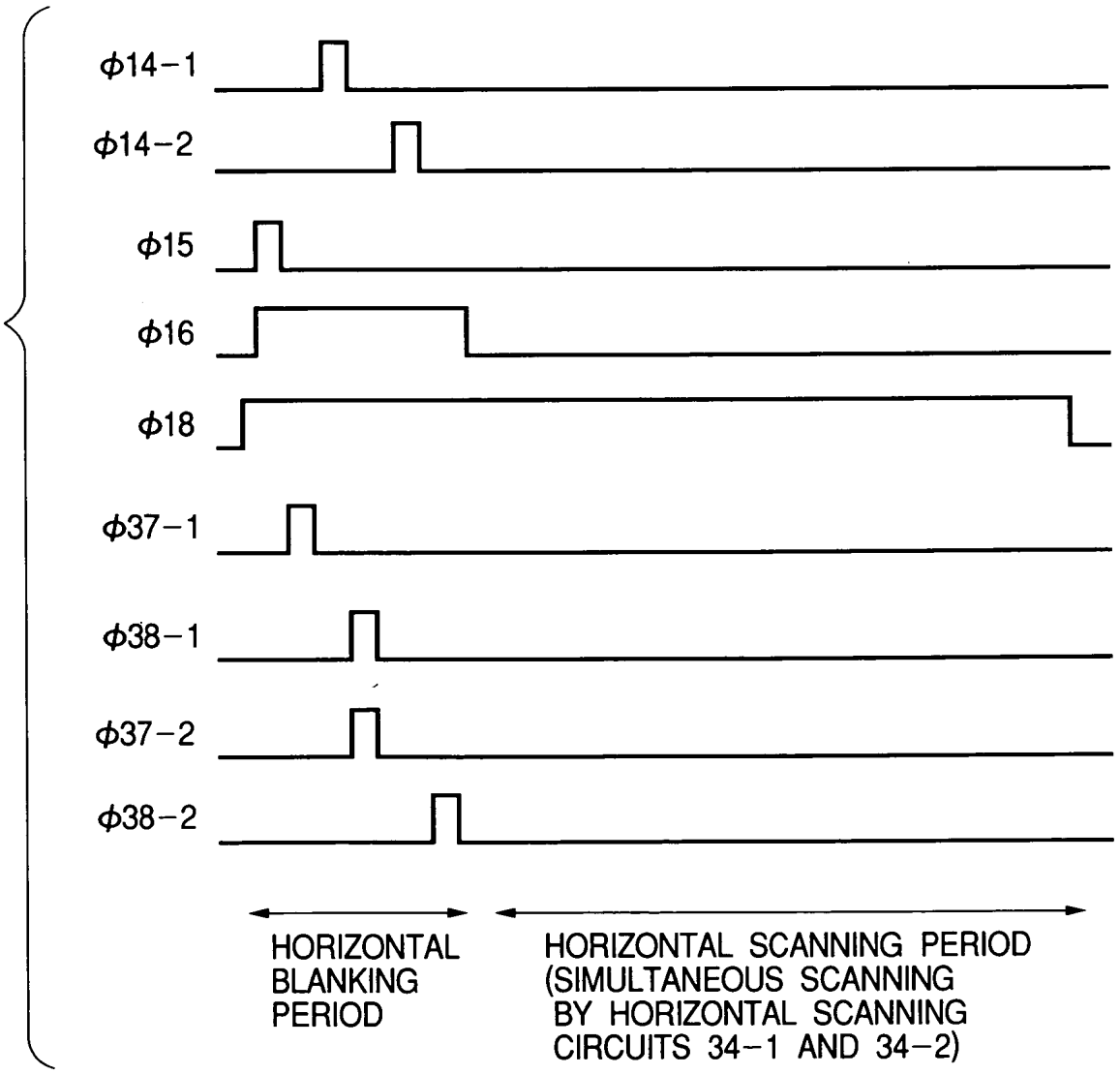

φ14−1
φ14−2
φ15
φ16
φ18
φ37−1
φ38−1
φ37−2
φ38−2
HORIZONTAL BLANKING PERIOD
HORIZONTAL SCANNING PERIOD (SIMULTANEOUS SCANNING BY HORIZONTAL SCANNING CIRCUITS 34−1 AND 34−2)

FIG. 3

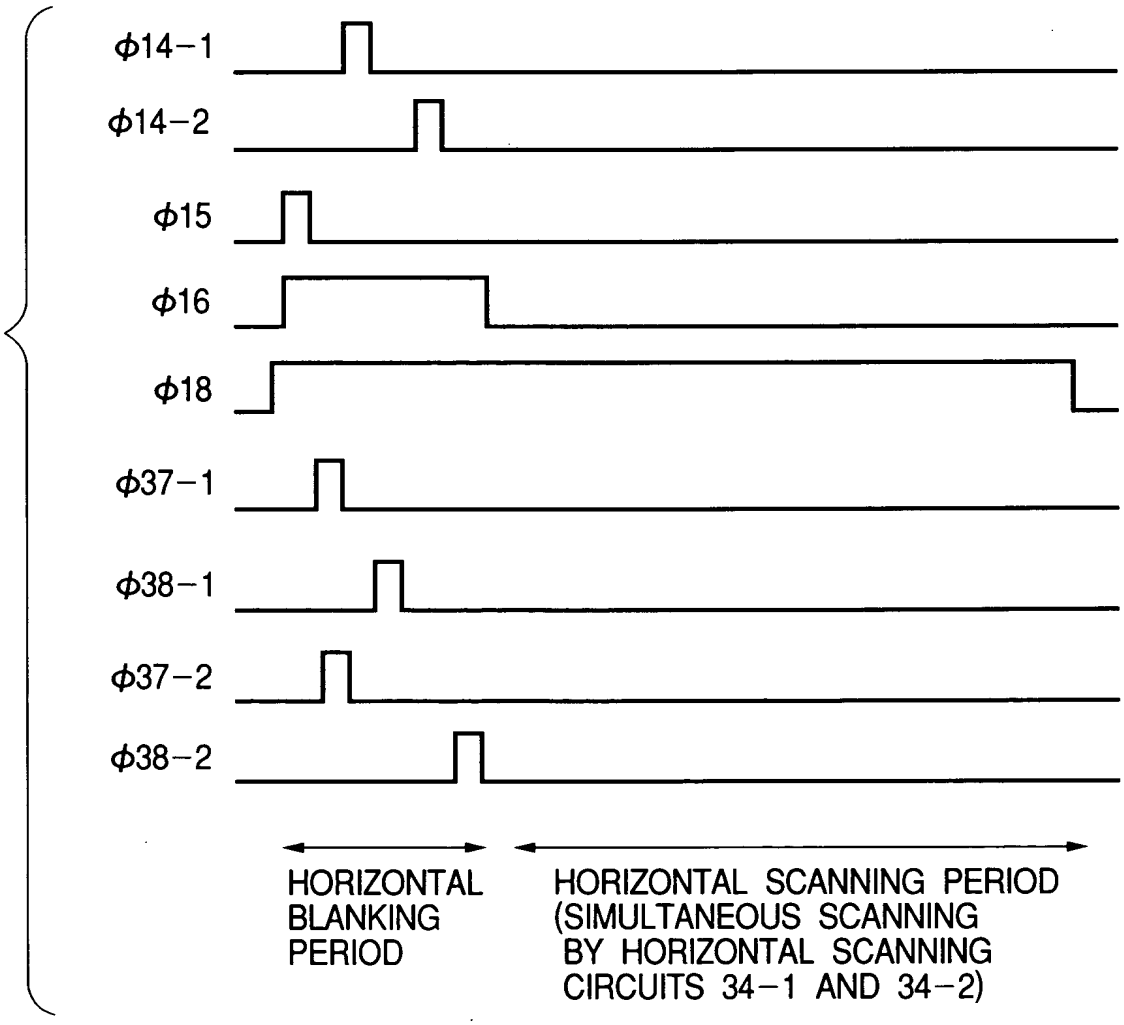

φ14−1
φ14−2
φ15
φ16
φ18
φ37−1
φ38−1
φ37−2
φ38−2
HORIZONTAL BLANKING PERIOD
HORIZONTAL SCANNING PERIOD (SIMULTANEOUS SCANNING BY HORIZONTAL SCANNING CIRCUITS 34−1 AND 34−2)

FIG. 4

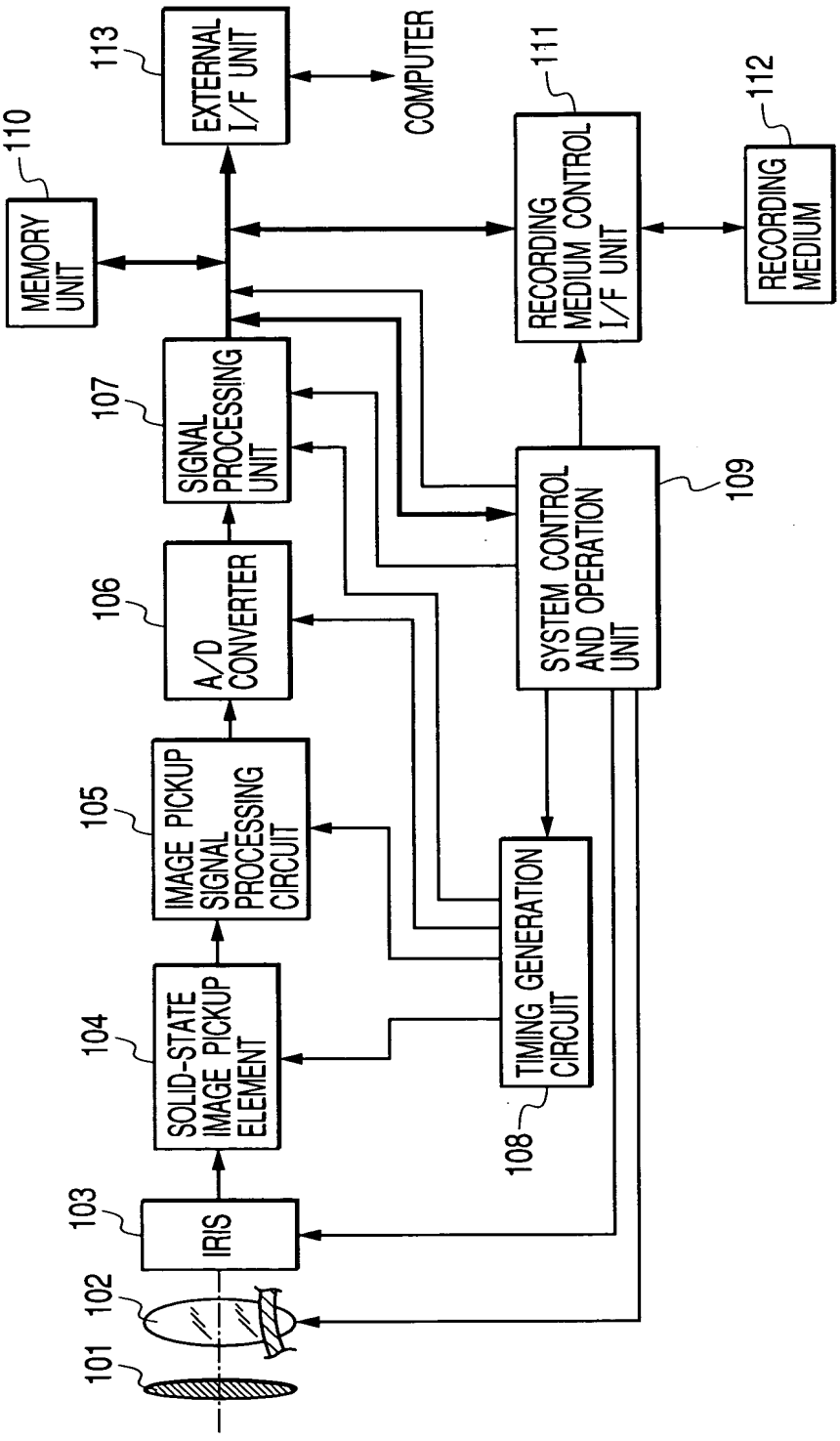

101
102
103
IRIS
104
SOLID-STATE IMAGE PICKUP ELEMENT
105
IMAGE PICKUP SIGNAL PROCESSING CIRCUIT
106
A/D CONVERTER
107
SIGNAL PROCESSING UNIT
108
TIMING GENERATION CIRCUIT
109
SYSTEM CONTROL AND OPERATION UNIT
110
MEMORY UNIT
111
RECORDING MEDIUM CONTROL I/F UNIT
112
RECORDING MEDIUM
113
EXTERNAL I/F UNIT
COMPUTER

FIG. 5

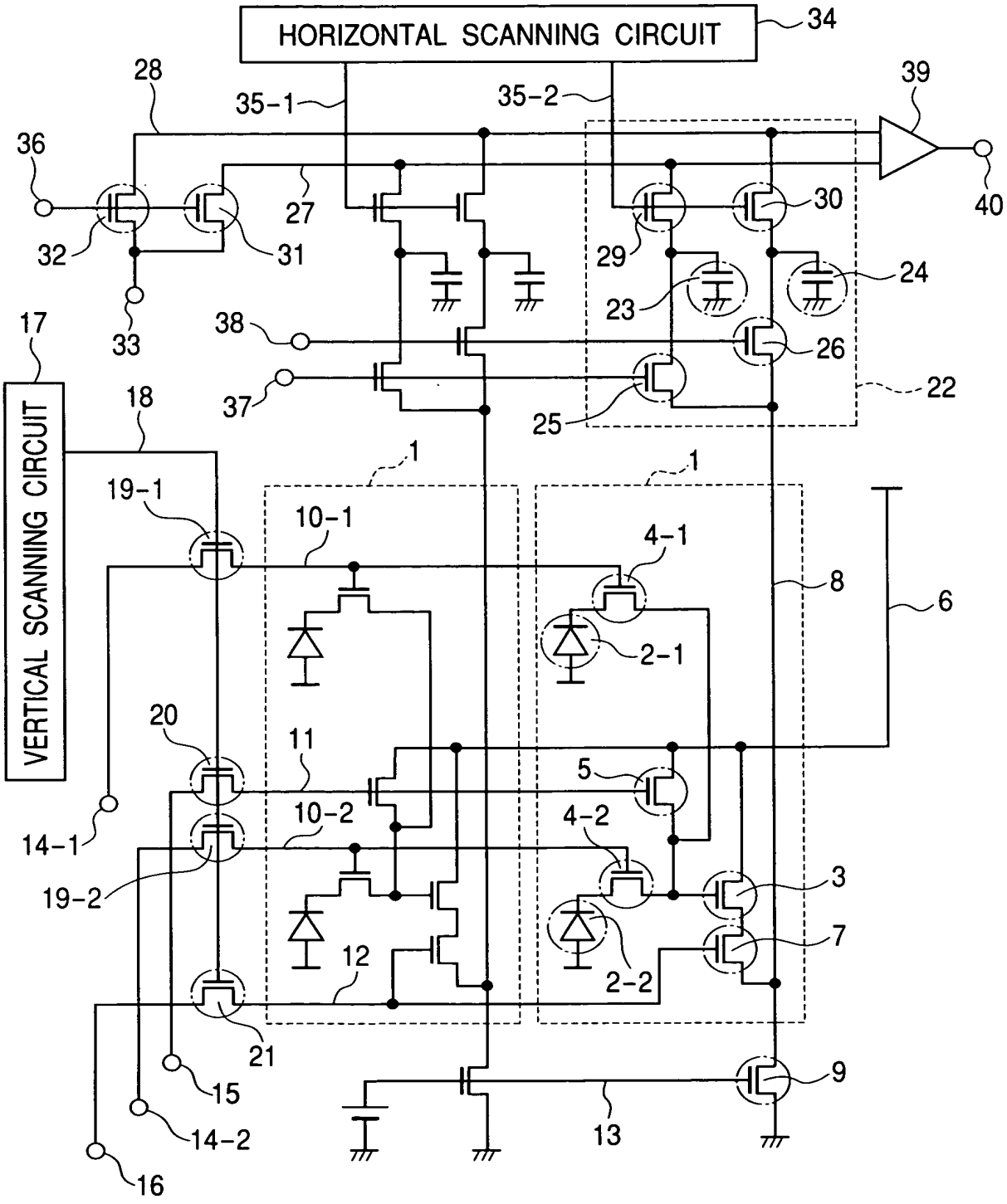

HORIZONTAL SCANNING CIRCUIT
34
28
35-1
35-2
39
36
27
30
40
32
31
29
24
23
33
38
26
17
37
22
25
18
VERTICAL SCANNING CIRCUIT
1
1
19-1
10-1
4-1
8
6
2-1
20
11
5
14-1
10-2
4-2
19-2
3
7
12
2-2
21
15
9
14-2
13
16

FIG. 6

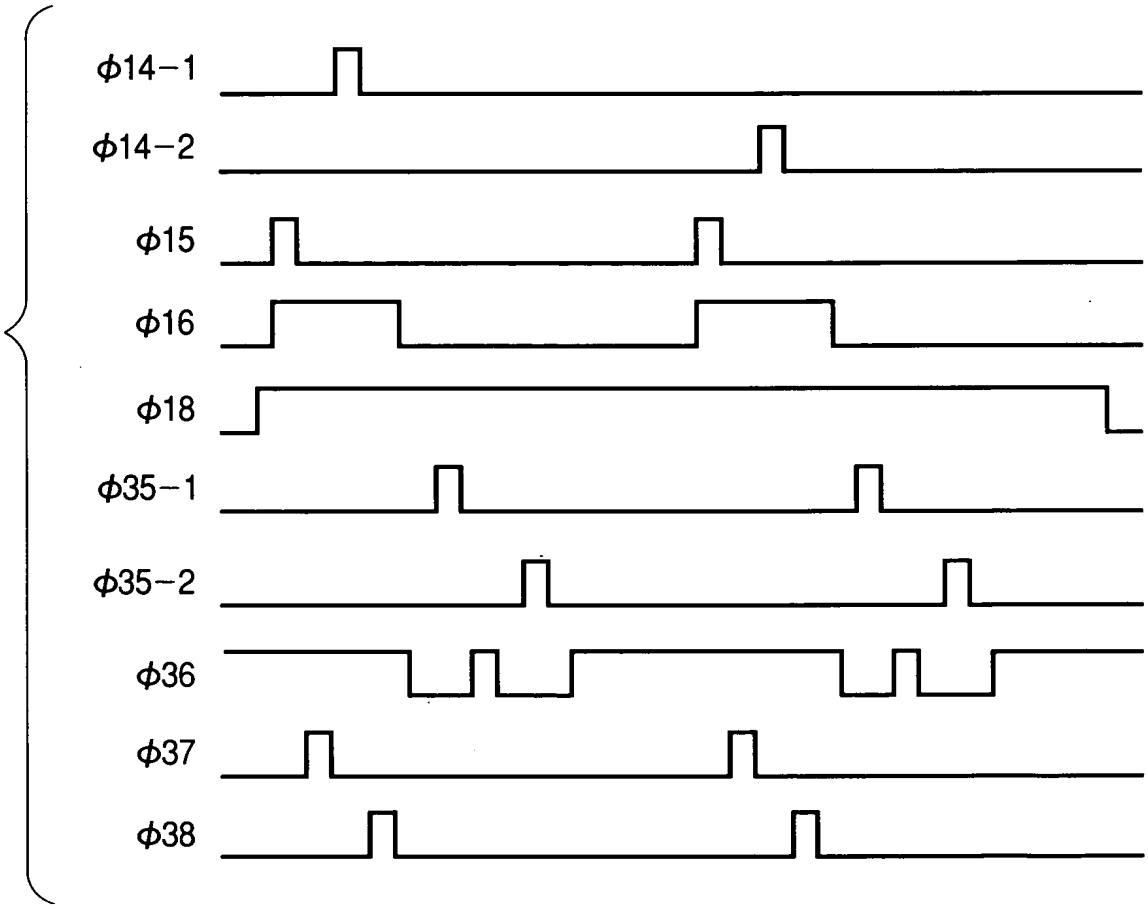
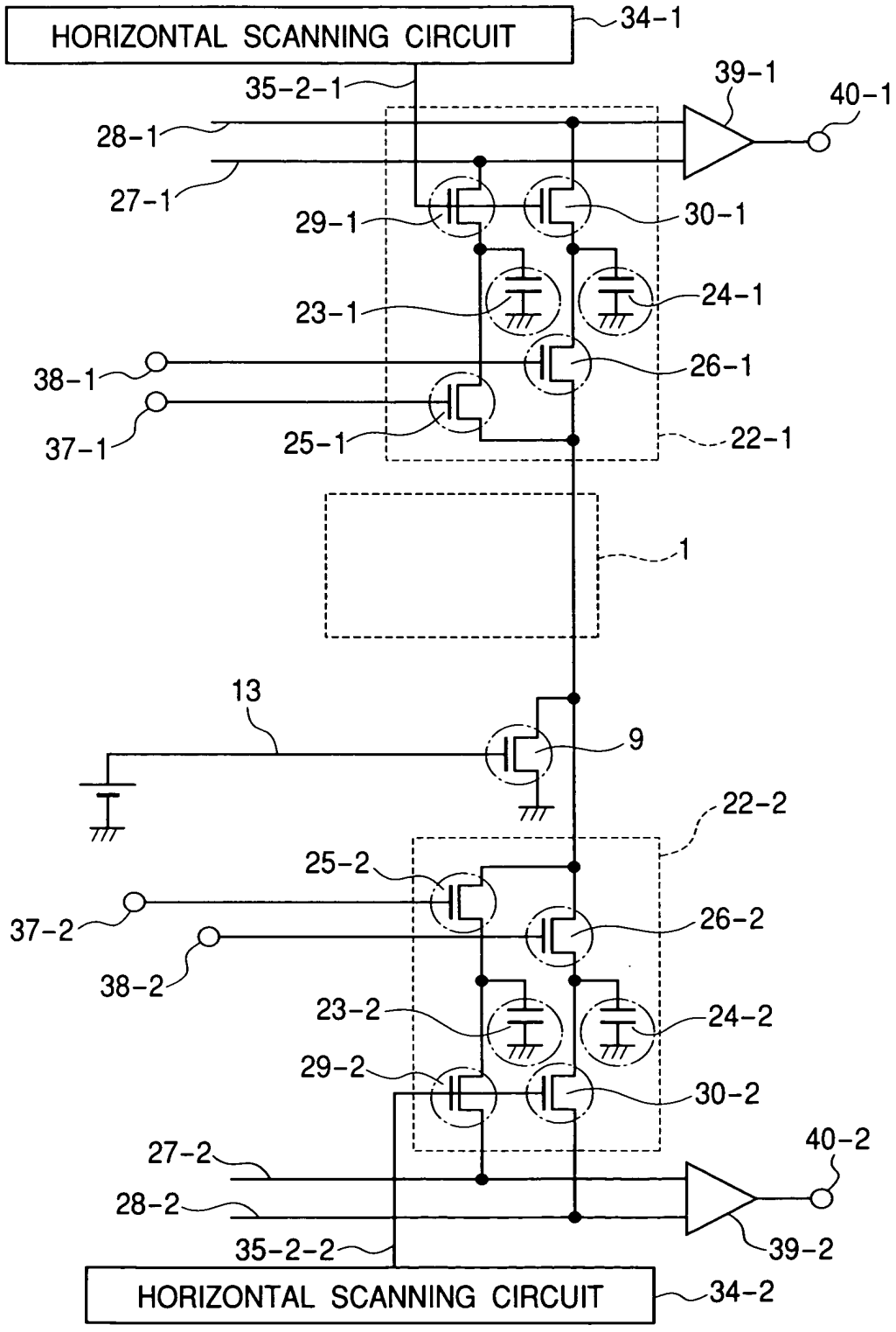


FIG. 7


HORIZONTAL SCANNING CIRCUIT
34-1
35-2-1
39-1
40-1
28-1
27-1
29-1
30-1
23-1
24-1
38-1
26-1
37-1
25-1
22-1
1
13
9
22-2
25-2
37-2
26-2
38-2
23-2
24-2
29-2
30-2
27-2
40-2
28-2
39-2
35-2-2
HORIZONTAL SCANNING CIRCUIT
34-2